

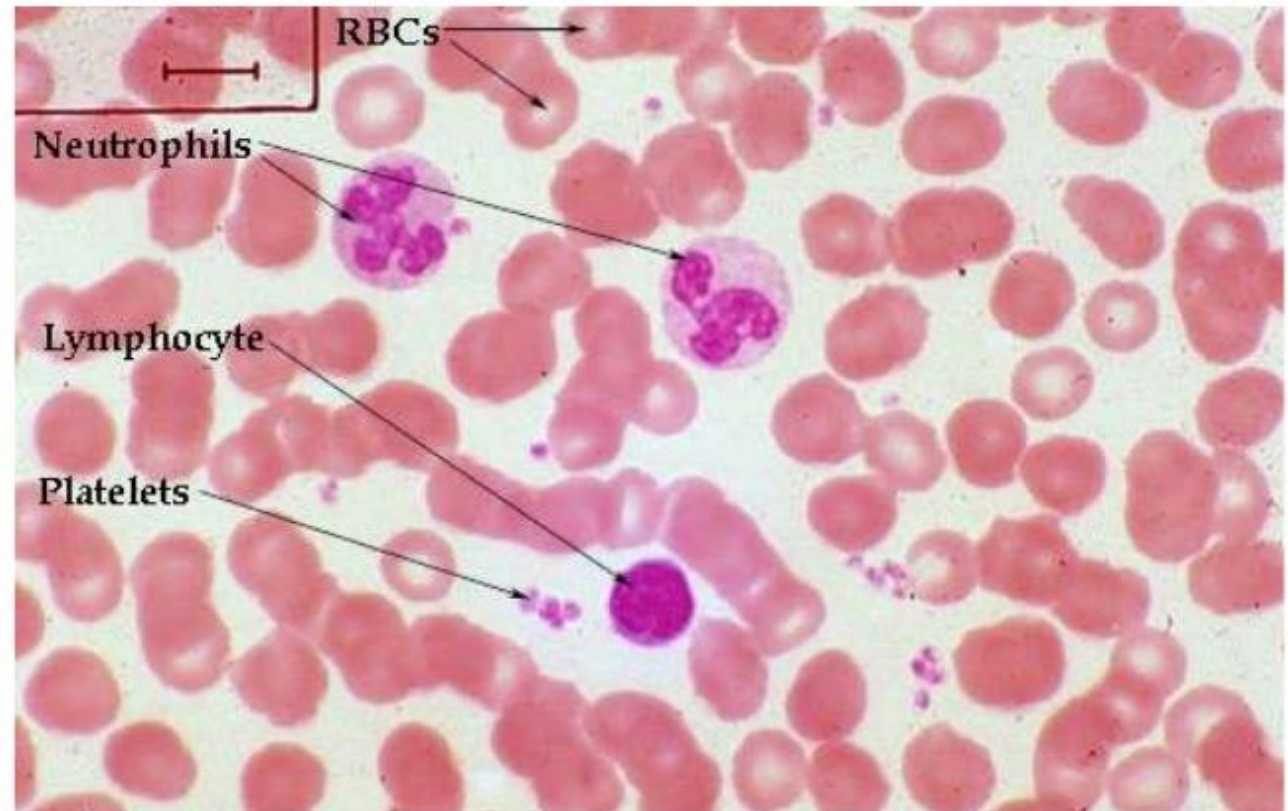
BLOOD? WHAT IS IT MADE OF?

BY: RIANN ROHN

MICHIGAN DEPARTMENT OF HEALTH AND HUMAN SERVICES

**BLOOD
CONSISTS OF
WHITE BLOOD
CELLS, RED
BLOOD CELLS,
AND PLATELETS**

Peripheral-blood-smear



**MAKE YOUR
OWN BLOOD AT
HOME ACTIVITY!**



THINGS YOU WILL NEED

- **1 PLASTIC CONTAINER/TUB (LARGE)**
- **RED WATER BEADS (8 OZ BAG)**
- **WATER (1 GALLON)**
- **RED CRAFT FOAM (2 12"X 18" SHEETS)**
- **PING PONG BALLS (20)**

1. PREPARE THE RED WATER BEADS

- **FOLLOW THE SPECIFIC INSTRUCTIONS ON THE BAG OF CHOSEN RED WATER BEADS**
- **PLACE RED WATER BEADS IN THE PLASTIC TUB WITH SPECIFIED AMOUNT OF WATER**
- **LEAVE THEM TO SOAK FOR 10 HOURS TO HYDRATE**

2. MAKE THE PLATELETS



Using scissors, cut the red craft foam into small rectangular pieces



You will need approximately 40 platelets for this activity



Place the platelets into the tub

3. MAKE THE WHITE BLOOD CELLS



Gather about 20 ping pong balls



Place them into the tub

4. EXPLORE!

Play

with the blood

Ask

questions

Be

curious

WHAT DO THEY DO?

- **RED WATER BEADS AKA RED BLOOD CELLS: CARRY OXYGEN THROUGHOUT THE BODY**
- **PING PONG BALLS AKA WHITE BLOOD CELLS: FIGHT OFF INFECTION FROM GERMS, BACTERIA, AND VIRUSES**
- **RED CRAFT FOAM AKA PLATELETS: HELP HEAL CUTS AND ABRASIONS IN THE BODY**
- **WATER AKA PLASMA: AIDS BLOOD IN MOTILITY THROUGH VEINS AND ARTERIES**

SOURCES

- [HTTPS://WWW.ICANTEACHMYCHILD.COM/WHAT-IS-BLOOD-MADE-OF/](https://www.icanteachmychild.com/what-is-blood-made-of/)
- [HTTPS://WWW.SLIDESHARE.NET/TEANONIKASHVILI/1-HUMAN-BLOOD-SMEAR](https://www.slideshare.net/teanonikashvili/1-human-blood-smear)